CLAIMS

What is claimed is:

1.   A system, comprising:

a first portable thread environment (PTE), comprising a diagnostic tool;

a second PTE configured to receive and send threads;

a third PTE configured to receive and send the threads; and

a PTE router configured to receive the threads and route said threads, wherein the router copies the threads and routes the copies to the diagnostic tool.

2.   The system of claim 1, wherein the diagnostic tool uses the copies to generate diagnostic messages.

3.   The system of claim 2, wherein the diagnostic messages show the threads' execution order.

4.   The system of claim 2, wherein the diagnostic messages show all messages generated by the threads.

5.   The system of claim 2, wherein the diagnostic messages show all messages generated for the threads.

6.   The system of claim 2, wherein the diagnostic messages trigger new events to be performed.

7.   The system of claim 2, wherein the diagnostic tool identifies the threads source.

8.   The system of claim 2, wherein the diagnostic tool truncates threads exceeding a predetermined size.

9.   A method, comprising:

    intercepting threads passed from a first PTE to a second PTE;

    copying the threads;

    generating a diagnostic message by a PTE Tool; and

    displaying the diagnostic message, wherein the diagnostic message shows the threads' execution order.

10.   The method as in claim 9, wherein the diagnostic message shows all messages generated by the threads.

11.   The method as in claim 9, wherein the diagnostic message shows all messages generated for the threads.

12.   The method as in claim 9, wherein the diagnostic message triggers new events to be performed.

13.   The method as in claim 9, wherein the diagnostic tool identifies the threads' sources.

14.   The method as in claim 9, wherein the diagnostic tool truncates the threads exceeding a predetermined size.

15.   A system, comprising:

    means for intercepting threads passed from a first PTE to a second PTE;

3   means for copying the threads;

4   means for generating a diagnostic message by a PTE Tool; and

5   means for displaying the diagnostic message, wherein the diagnostic message

6 shows the threads' execution order.

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1   16. The system of claim 15, wherein the diagnostic message shows all messages

2 generated by the threads.

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1   17. The system of claim 15, wherein the diagnostic message shows all messages

2 generated for the threads.

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1   18. The system of claim 15, wherein the diagnostic message triggers new events

2 to be performed.

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1   19. The system of claim 15, wherein the diagnostic tool identifies the threads'

2 sources.

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1   20. The system of claim 15, wherein the diagnostic tool truncates the threads

2 exceeding a predetermined size.

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1   21. A computer-readable medium having stored thereon a plurality of

2 instructions, said plurality of instructions when executed by a computer, cause said

3 computer to perform:

4   intercepting threads passed from a first PTE to a second PTE;

5   copying the threads;

6   generating a diagnostic message by a PTE Tool; and

7   displaying the diagnostic message, wherein the diagnostic message shows the

8   threads' execution order.

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1   22. The computer-readable medium of claim 21, wherein the diagnostic message

2   shows all messages generated by the threads.

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1   23. The computer-readable medium of claim 21, wherein the diagnostic message

2   shows all messages generated for the threads.

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1   24. The computer-readable medium of claim 21, wherein the diagnostic message

2   triggers new events to be performed.

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1   25. The computer-readable medium of claim 21, wherein the diagnostic tool

2   identifies the threads' sources.

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1   26. The computer-readable medium of claim 21, wherein the diagnostic tool

2   truncates the threads exceeding a predetermined size.